

MARYLAND

Science and Engineering Profile

	MD	U.S.	Rank		MD	U.S.	Rank
Doctoral scientists, 1995	19,153	453,928	6	Total R&D performance, 1995 (millions)	\$6,519	\$177,210	9
Doctoral engineers, 1995	2,655	86,738	11	Industry R&D, 1995 (millions)	\$1,075	\$130,332	24
S&E doctorates awarded, 1996	672	27,230	12	Academic R&D, 1995 (millions)	\$1,160	\$21,606	4
of which, in life sciences	29%	25%		of which, in life sciences	40%	55%	
in engineering	22%	23%		in engineering	24%	16%	
in social sciences	17%	15%		in physical sciences	15%	10%	
S&E postdoctorates, 1995	1,049	35,379	10	Higher education current-fund expenditures, 1995 (millions)	\$3,795	\$182,602	15
in doctorate-granting institutions							
S&E graduate students, 1995	9,015	436,328	16	Number of SBIR awards, 1990-1996	1,318	26,399	4
in doctorate-granting institutions				Patents issued to state residents, 1996	1,101	61,099	18
Population, 1996 (000s)	5,072	269,067	19	Gross state product, 1994 (billions)	\$132.7	\$6,876.0	16
Civilian labor force, 1996 (000s)	2,786	135,528	18	of which, agriculture	1%	2%	
Personal income per capita, 1996	\$27,221	\$24,231	7	manufacturing, mining, construction	14%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$37,041	\$1,368,858	11	wholesale and retail trade	15%	16%	
R&D obligations, 1995 (millions)	\$7,039	\$67,080	2	finance, insurance, real estate services	22%	19%	
				government	22%	20%	
					18%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Maryland by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	7,039,183	4,158,824	143,265	1,956,488	654,050	123,499	3,057	2
Department of Agriculture	135,649	123,410	0	0	12,141	85	13	2
Department of Commerce	369,997	333,301	0	29,081	7,165	327	123	1
Department of Defense	2,914,007	1,716,240	1,429	953,869	217,720	24,749	0	3
Department of Energy	60,671	26,777	0	15,379	16,594	1,921	0	17
Dept. of Health & Human Services	2,239,094	1,583,184	141,636	197,376	314,004	2,192	702	1
Department of the Interior	16,863	16,377	0	172	312	2	0	5
Department of Transportation	52,528	7,153	0	41,199	2,304	0	1,872	5
Environmental Protection Agency	6,562	0	0	3,497	2,515	550	0	18
Nat'l Aeronautics & Space Admin.	1,189,026	348,891	200	704,674	45,024	89,890	347	3
National Science Foundation	54,786	3,491	0	11,241	36,271	3,783	0	12
State rank	2	1	9	4	5	7	26	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable